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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/714,489	11/14/2003	Hau H. Duong	A-65682-2/RMS/RMK/JML/463 1026	
32940	7590 05/17/2006		EXAMINER	
DORSEY & WHITNEY LLP			LU, FRANK WEI MIN	
555 CALIFO	RNIA STREET, SUITE	1000		
SUITE 1000			ART UNIT	PAPER NUMBER
SAN FRANC	CISCO, CA 94104		1634	

DATE MAILED: 05/17/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)		
	10/714,489	DUONG ET AL.		
Office Action Summary	Examiner	Art Unit		
	Frank W. Lu	1634		
The MAILING DATE of this communication appeared for Reply	ppears on the cover sheet with the	e correspondence address		
A SHORTENED STATUTORY PERIOD FOR REP WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period. - Failure to reply within the set or extended period for reply will, by statu. Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION IN 136(a). In no event, however, may a reply be d will apply and will expire SIX (6) MONTHS froute, cause the application to become ABANDO	ON. timely filed om the mailing date of this communication. NED (35 U.S.C. § 133).		
Status				
1)⊠ Responsive to communication(s) filed on 4/9 2a)□ This action is FINAL . 2b)⊠ Th 3)□ Since this application is in condition for allow closed in accordance with the practice under	iis action is non-final. ance except for formal matters, p			
Disposition of Claims				
4) Claim(s) 11-25 is/are pending in the application 4a) Of the above claim(s) is/are withdress 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) 11-25 are subject to restriction and/or Application Papers	awn from consideration.			
 9) The specification is objected to by the Examir 10) The drawing(s) filed on is/are: a) ac Applicant may not request that any objection to the Replacement drawing sheet(s) including the corre 11) The oath or declaration is objected to by the Examir 	ecepted or b) objected to by the edrawing(s) be held in abeyance. Section is required if the drawing(s) is a	See 37 CFR 1.85(a). objected to. See 37 CFR 1.121(d).		
Priority under 35 U.S.C. § 119				
12) Acknowledgment is made of a claim for foreig a) All b) Some * c) None of: 1. Certified copies of the priority documer 2. Certified copies of the priority documer 3. Copies of the certified copies of the pri application from the International Bures * See the attached detailed Office action for a list	nts have been received. Ints have been received in Application or the contract of the contrac	ation No ived in this National Stage		
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08	-, - ==			
Paper No(s)/Mail Date 6) Other:				

DETAILED ACTION

Response to Preliminary Amendment

1. Applicant's Preliminary Amendment filed on April 9, 2004 has been entered. The claims pending in this application are claims 11-25.

Species Election

- 2. This application contains claims directed to the following patentably distinct species:
- (1) the act of analyzing the output waveform for presence of the characteristic waveform includes applying the output waveform to a digital lock-in amplifier (claim 13)
- (2) the act of analyzing the output waveform for presence of the characteristic waveform includes fitting the output waveform to the characteristic waveform (claims 14 and 15)
- (3) the act of analyzing the output waveform for presence of the characteristic waveform includes determining a background signal and subtracting the background signal from the output waveform (claim 16)

The species are independent or distinct because these species are different processes for analyzing the output waveform for presence of the characteristic waveform.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, generic claims are claims 11, 12, and 17-25.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable

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thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which depend from or otherwise require all the limitations of an allowable generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

- 3. This application further contains claims directed to the following patentably distinct species:
- (4) the target analyte is a nucleic acid (claim 18)
- (5) the target analyte is a protein (claim 19)

The species are independent or distinct because these species are different products which have different properties.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, generic claims are claims 11-17 and 20-25.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which depend from or otherwise require all the limitations of an

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allowable generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

4. Papers related to this application may be submitted to Group 1600 by facsimile transmission. Papers should be faxed to Group 1600 via the PTO Fax Center. The faxing of such papers must conform with the notices published in the Official Gazette, 1096 OG 30 (November 15, 1988), 1156 OG 61 (November 16, 1993), and 1157 OG 94 (December 28, 1993)(See 37 CAR § 1.6(d)). The CM Fax Center number is (571)273-8300.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Frank Lu, Ph.D., whose telephone number is (571)272-0746. The examiner can normally be reached on Monday-Friday from 9 A.M. to 5 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ram Shukla, can be reached on (571)272-0735.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to (571) 272-0547.

May 11, 2006

FRANK LU
PRIMARY FXAMINER

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